

Title (en)  
MULTI-COLOR TIME RESOLVED FLUOROPHORES BASED ON MACROCYCLIC LANTHANIDE COMPLEXES

Title (de)  
MEHRFARBIGE ZEITGESTEUERTE FLUOROPHORE AUF BASIS MAKROZYKLISCHER LANTHANID-KOMPLEXE

Title (fr)  
FLUOROPHORES POLYCHROMATIQUES À RÉOLUTION TEMPORELLE À BASE DE COMPLEXES DE LANTHANIDES MACROCYCLIQUES

Publication  
**EP 2114905 A4 20100707 (EN)**

Application  
**EP 08728339 A 20080125**

Priority

- US 2008052116 W 20080125
- US 88653007 P 20070125
- US 98267007 P 20071025

Abstract (en)  
[origin: WO2008092120A1] The present invention provides a novel class of macrocyclic compounds as well as complexes formed between a metal (e.g., lanthanide) ion and the compounds of the invention. Preferred complexes exhibit high stability as well as high quantum yields of lanthanide ion luminescence in aqueous media without the need for secondary activating agents. Preferred compounds incorporate hydroxy-isophthalamide moieties within their macrocyclic structure and are characterized by surprisingly low, non-specific binding to a variety of polypeptides such as antibodies and proteins as well as high kinetic stability. These characteristics distinguish them from known, open- structured ligands.

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Citation (search report)

- [X] WO 0048990 A1 20000824 - UNIV CALIFORNIA [US], et al
- [E] WO 2008063721 A2 20080529 - UNIV CALIFORNIA [US], et al
- See references of WO 2008092120A1

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DOCDB simple family (publication)  
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**US 2008052116 W 20080125**; EP 08728339 A 20080125; US 2047008 A 20080125; US 52191008 A 20080125